

PATENT

Serial No. 10/527,779

Amendment in Reply to Office Action of December 22, 2008

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of synthesizing of a speech signal, comprising the acts of:
 - assigning a first identifier to steady intervals of an original speech signal and assigning a second identifier to dynamic intervals of the original speech signal,
 - windowing the original speech signal to provide a number of pitch bells,
 - processing the pitch bells having the first identifier assigned thereto for modifying a duration of the speech signal, and
 - performing an overlap and add operation on the processed pitch bells to form a result, and
 - storing the result in a memory.

wherein the first identifier and the second identifier include six codes.

Claim 2 (Canceled)

3. (Previously Presented) The method of claim 1 further comprising a first code or a second code being used as the first identifier, the first code being indicative of an unvoiced interval and the second code being indicative of a voiced interval.

Claim 4 (Canceled)

5. (Previously Presented) The method of claim 1, whereby a third code, a fourth code, a fifth code or a sixth code is used as the second identifier, the third code being indicative of an unvoiced interval being essential for the intelligibility of the speech signal, the fourth code being indicative of a voiced interval being essential for the intelligibility of the speech signal, and the fifth code being indicative of an unvoiced interval

not being essential for the intelligibility of the speech signal and the sixth code being indicative of a voiced interval not being essential for the intelligibility of the speech signal.

6. (Previously Presented) The method of claim 5 whereby pitch bells being assigned to the sixth code are deleted optionally.

7. (Previously Presented) The method of claim 1 whereby a raised cosine is used for windowing of the speech signal.

8. (Previously Presented) The method of claim 1, a sine window being used for windowing of steady, unvoiced intervals of the speech signal.

9. (Previously Presented) The methods of claim 1 further comprising randomizing the pitch bells of steady, unvoiced periods before performing the overlap and add operation.

10. (Previously Presented) The method of claim 1, whereby the windowing is performed by means of a window positioned synchronously with a fundamental frequency of the speech signal.

11. (Currently Amended) Computer program ~~product, such as~~ product stored on a digital storage medium, the computer program product comprising program means for performing the following processing steps for the modification of a duration of an original speech signal:

assigning a first identifier to steady intervals of an original speech signal and assigning a second identifier to dynamic intervals of the original speech signal, wherein the first identifier and the second identifier include six codes, windowing the original speech signal to provide a number of pitch bells,

processing the pitch bells having the first identifier assigned thereto for modifying a duration of the speech signal, and performing an overlap and add operation on the processed pitch bells.

12. (Currently Amended) Computer system, in particular text-to-speech system, system comprising:

means for storing of a speech signal,

means for storing of first identifiers being assigned to steady intervals of an original speech signal and for storing of a second identifiers being assigned to dynamic intervals of the original speech signal, wherein the first identifier and the second identifier include six codes,

means for windowing the speech signal to provide a number of pitch bells,

means for processing the pitch bells having the first identifier assigned thereto for modifying a duration of the speech signal, and

means for performing an overlap and add operation on the processed pitch bells.

Claims 13-14 (Canceled)